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SEQUENCE LISTING

<110> Thompson, Julia E.
 Vaughan, Tristan J.
 Williams; Andrew J.
 Green, Jonathan A.
 Jackson, Ronald H.
 Bacon, Louise
 Johnson, Kevin S.
 Wilton, Alison J.
 Tempest, Philip R.
 Pope, Anthony R.

<120> Specific Binding Members for Human Transforming Growth Factor Beta:
 Materials and Methods

<130> 05569.0007.CPUS02

<140> 10625307

<141> 2003-07-23

<150> 10/625,307

<151> 2003-07-23

<150> 09/054,847

<151> 1998-04-03

<150> 08/571,755

<151> 1995-12-13

<150> PCT/GB96/02450

<151> 1996-10-07

<160> 137

<170> PatentIn version 3.1

<210> 1

<211> 5

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<400> 1

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1 5

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<212> PRT

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1 5 10

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Asn

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ccaggcaagg ggctggagtg ggtggcagtt atatggtatg atggaagtaa taaatactat 180
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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Trp Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asp Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Gly Arg Thr Leu Glu Ser Ser Leu Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser
115

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ccaggcaagg ggctggagtg ggtggcagtt atatcatatg atggaagtaa taaatactat 180
gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240
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gtctcctca 369

<210> 8
<211> 123
<212> PRT
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<400> 8

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
 20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
 50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Ala Lys Thr Gly Glu Tyr Ser Gly Tyr Asp Ser Ser Gly Val Asp Val
 100 105 110

Trp Gly Lys Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 9
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 <212> DNA
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1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Thr Gly Glu Tyr Ser Gly Tyr Asp Thr Ser Gly Val Glu Leu
100 105 110

Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120

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<212> DNA

<213> Human

<400> 11

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gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat	240
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gtctcctca	369

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<400> 12

Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Leu Thr Phe Ser Ser Tyr
20 25 30

Asp Met His Trp Val Arg Gln Pro Pro Ala Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Ser Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Thr Gly Glu Tyr Ser Gly Tyr Asp Thr Ser Gly Val Glu Leu
100 105 110

Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120

<210> 13
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<212> DNA
<213> Human

<400> 13

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gggagagccc ctaaggtctt gatctataag gcatctactt tagaaagtgg ggtcccatca 180
aggttcagcg gcagtggatc tgggacagat ttactctca ccatcagcag tctgcaacct 240
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<210> 14
<211> 108
<212> PRT
<213> Human

<400> 14

Asp Ile Val Met Thr Gln Ser Pro Ser Thr Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Trp
20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Arg Ala Pro Lys Val Leu Ile
35 40 45

Tyr Lys Ala Ser Thr Leu Glu Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65 70 75 80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Trp
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys Arg
100 105

<210> 15
<211> 342
<212> DNA
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<400> 15

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gaatccgggg tcctgaccg attcagtggc agcgggtctg ggacagattt cactctcacc 240
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<210> 16
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<213> Human

<400> 16

Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser
20 25 30

Tyr Asn Lys Met Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
35 40 45

Pro Pro Lys Leu Leu Ile Asn Trp Ala Ser Thr Arg Glu Ser Gly Val
50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
85 90 95

Tyr Tyr Ala Thr Pro Leu Thr Phe Gly His Gly Thr Lys Val Glu Ile
100 105 110

Lys Arg

<210> 17

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<212> DNA

<213> Human

<400> 17

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caggcccttg tacttgtcat ctatggtgaa aacagccggc cctccgggat ccagaccga 180

ttctctggct ccagctcagg aaacacagct tccttgacca tctactggggc tcaggcggaa 240

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ggcggaggga ccaagctgac cgtcctaggt 330

<210> 18

<211> 110

<212> PRT
<213> Human

<400> 18

His Val Ile Leu Thr Gln Asp Pro Ala Val Ser Val Ala Leu Gly Gln
1 5 10 15

Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Lys Ser Tyr Tyr Ala
20 25 30

Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
35 40 45

Gly Glu Asn Ser Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser Gly Ser
50 55 60

Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly Ala Gln Ala Glu
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Arg Asp Ser Ser Gly Thr His
85 90 95

Leu Glu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly
100 105 110

<210> 19
<211> 17
<212> PRT
<213> Human

<400> 19

Ala Arg Thr Gly Glu Tyr Ser Gly Tyr Asp Ser Ser Gly Val Asp Val
1 5 10 15

Trp

<210> 20
<211> 17
<212> PRT
<213> Human

<400> 20

Ala Arg Thr Gly Glu Tyr Ser Gly Tyr Asp Thr Ser Gly Val Glu Leu
1 5 10 15

Trp

<210> 21
<211> 17
<212> PRT
<213> Human

<400> 21

Ala	Arg	Thr	Arg	Glu	Tyr	Ser	Gly	His	Asp	Ser	Ser	Gly	Val	Asp	Asp
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Trp

<210> 22
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<213> Human

<400> 22

Ala	Arg	Thr	Gly	Pro	Phe	Ser	Gly	Tyr	Asp	Ser	Ser	Gly	Glu	Asp	Val
1				5				10						15	

Arg

<210> 23
<211> 17
<212> PRT
<213> Human

<400> 23

Ala	Arg	Thr	Glu	Glu	Tyr	Ser	Gly	Tyr	Asp	Ser	Ser	Gly	Val	Asp	Val
1				5				10						15	

Trp

<210> 24
<211> 17
<212> PRT
<213> Human

<400> 24

Ala Gln Thr Arg Glu Tyr Thr Gly Tyr Asp Ser Ser Gly Val Asp Val
1 5 10 15

Trp

<210> 25
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<212> PRT
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<400> 25

Ala Arg Thr Glu Glu Tyr Ser Gly Phe Asp Ser Thr Gly Glu Asp Val
1 5 10 15

Trp

<210> 26
<211> 17
<212> PRT
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<400> 26

Ala Arg Thr Glu Glu Phe Ser Gly Tyr Asp Ser Ser Gly Val Asp Val
1 5 10 15

Trp

<210> 27
<211> 17
<212> PRT
<213> Human

<400> 27

Ala Arg Thr Gly Glu Tyr Ser Gly Tyr His Ser Ser Gly Val Asp Val
1 5 10 15

Arg

<210> 28
<211> 17
<212> PRT

<213> Human

<400> 28

Ala Arg Thr Glu Glu Phe Ser Gly Tyr Asp Ser Ser Gly Val Asp Val
1 5 10 15

Trp

<210> 29

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<212> PRT

<213> Human

<400> 29

Ala Arg Ala Gly Pro Phe Ser Gly Tyr Asp Ser Ser Gly Glu Asp Val
1 5 10 15

Arg

<210> 30

<211> 17

<212> PRT

<213> Human

<400> 30

Ala Arg Thr Gly Pro Phe Ser Gly Tyr Asp Ser Ser Gly Glu Asp Val
1 5 10 15

Trp

<210> 31

<211> 17

<212> PRT

<213> Human

<400> 31

Ala Arg Thr Glu Glu Phe Ser Gly Tyr Asp Ser Ser Gly Val Asp Val
1 5 10 15

Trp

<210> 32
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<212> PRT
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<400> 32

Ala Arg Thr Gly Glu Tyr Ser Gly Tyr Asp Ser Ser Gly Glu Leu Val
1 5 10 15

Trp

<210> 33
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<212> PRT
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<400> 33

Ala Arg Thr Glu Glu Phe Ser Gly Tyr Asp Ser Thr Gly Glu Glu Val
1 5 10 15

Trp

<210> 34
<211> 17
<212> PRT
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<400> 34

Ala Arg Thr Glu Glu Phe Ser Gly Tyr Asp Ser Ser Gly Val Asp Val
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Trp

<210> 35
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<400> 35

Ala Arg Thr Gly Glu Tyr Ser Gly Tyr Asp Ser Ser Gly Glu Asp Val
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Trp

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<211> 350
<212> DNA
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ccagccaagg ggctggagtg ggtggcagtt atatcatatg atggaagcaa taaatactac 180
gcagactccg tgaaggggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Ala Lys Gly Leu Glu Trp Val
35 40 45

Ala Val Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ala Gly Leu Glu Thr Thr Trp Gly Gln Gly Thr Leu Val Thr
100 105 110

Val Ser Ser Ser Gly
115

<210> 38

<211> 324

<212> DNA

<213> Human

<400> 38

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gggaaa